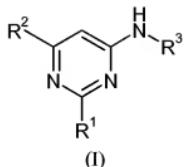


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of formula (I)



wherein

R¹ and R² independently represent a monocyclic or polycyclic heteroaryl group optionally substituted by one or more substituents selected from the group consisting of halogen atoms, straight or branched, optionally substituted lower alkyl, cycloalkyl, hydroxy, straight or branched, optionally substituted lower alkoxy, -SH, straight or branched optionally substituted lower alkylthio, cyano, -NR'R'', -CO₂R', wherein R' and R'' each independently represents a hydrogen atom or a straight or branched, optionally substituted lower alkyl group or R' and R'' together with the nitrogen atom to which they are attached form a cyclic group;

R³ represents a group selected from -COR⁴, -CON(R⁴)R⁵, -COOR⁴ and -R⁶,

wherein each of R⁴ and R⁶ independently represents a group selected from:

(a) hydrogen atoms;

(b) a straight or branched lower alkyl group which is optionally substituted by one or more halogen atoms or by one or more cycloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, alkoxyalkyl, hydroxycarbonyl, alkoxy carbonyl and nitrile groups; and

(c) a group of formula:



wherein:

m, o and p are independently 0 or 1;

n and q are independently selected from integers from 0 to 6;

R^a and R^b are independently a hydrogen atom or a lower alkyl group;

G is a group selected from cycloalkyl, aryl or and heteroaryl groups which are optionally substituted by one or more halogen atoms or by one or more lower alkyl, cycloalkyl, lower haloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, hydroxyalkyl, alkoxyalkyl, hydroxycarbonyl, alkoxy carbonyl and nitrile groups;
and R^5 represents a hydrogen atom or a lower alkyl, cycloalkyl or benzyl group; or

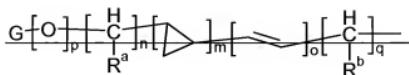
R^4 and R^5 together with the nitrogen atom to which they are attached form a saturated or unsaturated ring which is optionally substituted by one or more lower alkyl, cycloalkyl or benzyl groups;

and R6 represents a group selected from:

•hydrogen atoms;

•a straight or branched lower alkyl group which is optionally substituted by one or more halogen atoms or by one or more cycloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, alkoxyalkyl, hydroxycarbonyl, alkoxy carbonyl and nitrile groups;

•a group of formula:



wherein:

m, o and p are independently 0 or 1;

n and q are independently selected from integers from 0 to 6;

R^a and R^b are independently a hydrogen atom or a lower alkyl group;

G is a group selected from cycloalkyl, aryl or heteroaryl groups which are optionally substituted by one or more halogen atoms or by one or more lower alkyl, cycloalkyl, lower haloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, hydroxyalkyl, alkoxyalkyl, hydroxycarbonyl, alkoxycarbonyl and nitrile groups;

or pharmaceutically acceptable salts thereof;

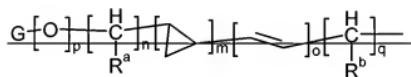
with the proviso that the compound is not one of 2,6-dipyridin-4-ylpyrimidin-4-amine, 4-(3-methoxyanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(2,5-dimethoxyanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(5-methoxy-2-methylanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(2-methoxy-5-methylanilino)-2,6-di(2-pyridinyl)pyrimidine, 4-(2-chloro-5-methoxyanilino)-2,6-di(2-pyridinyl)pyrimidine, and 4-(2,5-dimethylanilino)-2,6-di(2-pyridinyl)pyrimidine.

2. (Currently Amended) A compound according to claim 1 wherein R⁶ represents a group selected from:

hydrogen atoms;

a straight or branched lower alkyl group which is optionally substituted by one or more halogen atoms or by one or more cycloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, alkoxyalkyl, hydroxycarbonyl, alkoxycarbonyl and nitrile groups;

a group of formula:



wherein:

m, o and p are independently 0 or 1;

n and q are independently selected from integers from 0 to 6;

R^a and R^b are independently a hydrogen atom or a lower alkyl group;

G is a group selected from cycloalkyl, aryl or heteroaryl groups which are optionally substituted by one or more halogen atoms or by one or more lower alkyl, cycloalkyl, lower haloalkyl, hydroxy, lower alkoxy, lower alkylthio, amino, mono- or dialkylamino, hydroxyalkyl, alkoxyalkyl, hydroxycarbonyl, alkoxycarbonyl and nitrile groups

with the proviso that when p, m and o are simultaneously zero then G is not an optionally substituted aryl group.

3. (Currently Amended) A compound according to ~~anyone of claims claim 1 or 2~~ wherein R¹ represents a monocyclic heteroaryl group selected from the group consisting of furyl, thieryl, thiazolyl, oxazolyl, pyrazinyl, pyrazolyl, pyridazinyl, imidazolyl, triazolyl, pyrimidinyl and pyridyl groups which groups are optionally substituted by one or more substituents selected from the group consisting of halogen atoms, straight or branched, optionally substituted lower alkoxy and straight or branched, optionally substituted lower alkyl.

4. (Original) A compound according to claim 3 wherein R¹ represents a monocyclic heteroaryl group selected from the group consisting of furyl, thieryl, pyrazolyl, triazolyl, thiazolyl and pyridyl groups which groups are optionally substituted by one or more substituents selected from the group consisting of halogen atoms, straight or branched, optionally substituted lower alkoxy and straight or branched, optionally substituted lower alkyl.

5. (Original) A compound according to claim 4 wherein R¹ represents a monocyclic heteroaryl group selected from the group consisting of furyl, thieryl and pyrazolyl groups which groups are optionally substituted by one or more substituents selected from the group consisting of halogen atoms and straight or branched, optionally substituted lower alkyl.

6. (Original) A compound according to claim 5 wherein R¹ represents an unsubstituted furyl group.

7. (Currently Amended) A compound according to ~~any preceding claim 4~~ wherein R² represents a monocyclic heteroaryl group selected from the group consisting of pyrazolyl, furyl, thiazolyl, oxazolyl, pyridyl, pyrimidinyl, pyrazinyl, pyridazinyl, thieryl, imidazolyl and triazolyl groups which groups are optionally substituted by one or more

substituents selected from the group consisting of halogen atoms, straight or branched, optionally substituted lower alkoxy and straight or branched, optionally substituted lower alkyl.

8. (Original) A compound according to claim 7 wherein R² represents a monocyclic heteroaryl group selected from the group consisting of pyrazolyl, furyl, thiazolyl, pyridyl, thiényl and triazolyl groups which groups are optionally substituted by one or more substituents selected from the group consisting of halogen atoms, straight or branched, optionally substituted lower alkoxy and straight or branched, optionally substituted lower alkyl.

9-13. (Canceled)

14. (Currently Amended) A compound according to claim 1 wherein the compound is which is one of:

2-(Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-methylpropanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2,2-dimethylpropanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclopropane-carboxamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclobutane-carboxamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclohexane-carboxamide;
3-Cyclopentyl-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl] propanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(4-methoxyphenyl)
acetamide;
2-(3,4-Dimethoxyphenyl)-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-
yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-phenyl- propanamide;
(2*S*)-N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-phenyl-
cyclopropanecarboxamide;
3,3,3-Trifluoro-N-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl] propanamide;

3-(3,4-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-methyl-3-phenylpropanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-phenoxy-propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-pyridin-3-ylpropanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-pyridin-3-yl-acetamide;

(2*E*)-3-(3,4-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acrylamide;

6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-amine;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]acetamide;

N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-yl] propanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2-methylpropanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2,2-dimethylpropanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-cyclopropanecarboxamide;

3-Cyclopentyl-*N*-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]propanamide;

N-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;

2-(3,4-Dimethoxyphenyl)-*N*-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]acetamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3-phenylpropanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3,3,3-trifluoropropanamide;

3-(3,4-Dimethoxyphenyl)-*N*-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]propanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3-phenoxypropanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-2-pyridin-3-ylacetamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]-3-pyridin-3-ylpropanamide;

2-(2-Furyl)-6-(4-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(2-Furyl)-6-(4-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;

2-(2-Furyl)-6-(3-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(2-Furyl)-6-(3-methyl-1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;

2-(2-Furyl)-6-[3-(trifluoromethyl)-1*H*-pyrazol-1-yl]pyrimidin-4-amine;

N-[2-(2-Furyl)-6-[3-(trifluoromethyl)-1*H*-pyrazol-1-yl]pyrimidin-4-yl]-propanamide;

2-(2-Furyl)-6-[5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl]pyrimidin-4-amine;

N-[2-(2-furyl)-6-[5-methyl-3-(trifluoromethyl)-1*H*-pyrazol-1-yl]-pyrimidin-4-yl]propanamide;

2-(2-Furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;

N-[2-(2-furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]-acetamide;

N-[2-(2-Furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]-propanamide;

3,3,3-Trifluoro-N-[2-(2-furyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]-propanamide;

2-(5-Bromo-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(5-bromo-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;

2-(5-Chloro-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(5-Chloro-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;

2-(5-Methyl-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(5-methyl-2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;

N-[2-(2-Furyl)-6-pyridin-3-ylpyrimidin-4-yl]-propanamide;

2-(2-Furyl)-6-pyridin-3-ylpyrimidin-4-amine;

6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;

N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]acetamide;
N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
3-Cyclopentyl-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]propanamide;
3-Phenyl-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-propanamide;
3,3,3-Trifluoro-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-
propanamide;
3-(3,4-Dimethoxyphenyl)-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-
yl]propanamide;
3-Phenoxy-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-propanamide;
N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-2-pyridin-3-yl-acetamide;
N-[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-3-pyridin-3-ylpropanamide;
(2*E*)-3-(3,4-Dimethoxyphenyl)-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-
4-yl]acrylamide;
6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-acetamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-propanamide;
N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]-3,3,-
trifluoropropanamide;
2-(2-Thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;
N-[2-(2-Thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;
3,3,3-Trifluoro-*N*-[2-(2-thienyl)-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-
yl]propanamide;
N-[2-(3-Methyl-2-thienyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;
6-(2-Furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;
N-[6-(2-Furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
N-[6-(2-Furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;
3,3,3-Trifluoro-*N*-[6-(2-furyl)-2-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-propanamide;
2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-amine;
N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-yl]-propanamide;

N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-(2-furyl)pyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;

6-(2-Furyl)-2-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;

N-[6-(2-Furyl)-2-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;

2-(1*H*-Pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-amine;

N-[2-(1*H*-Pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-yl]propanamide;

2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-amine;

N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-yl]propanamide;

N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-2-ylpyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;

2-(1*H*-Pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-amine;

N-[2-(1*H*-Pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-yl]propanamide;

2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-amine;

N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-yl]-propanamide;

N-[2-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-6-pyridin-3-ylpyrimidin-4-yl]-2-(4-methoxyphenyl)acetamide;

2-(1*H*-Pyrazol-1-yl)-6-pyridin-4-ylpyrimidin-4-amine;

N-[2-(1*H*-Pyrazol-1-yl)-6-pyridin-4-ylpyrimidin-4-amine];

6-(2-Furyl)-2-pyridin-2-ylpyrimidin-4-amine;

N-[6-(2-Furyl)-2-pyridin-2-ylpyrimidin-4-yl]propanamide;

2-(3-Methylpyridin-2-yl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

N-[2-(3-methylpyridin-2-yl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

6-(1*H*-Pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-amine;

N-[6-(1*H*-Pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]acetamide;

N-[6-(1*H*-Pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]propanamide;

6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-amine;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]-acetamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]-propanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-3-ylpyrimidin-4-yl]-3,3,3-trifluoropropanamide;

2-Pyridin-3-yl-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-amine;

3,3,3-Trifluoro-N-[2-pyridin-3-yl-6-(1*H*-1,2,4-triazol-1-yl)pyrimidin-4-yl]propanamide;

6-(2-Furyl)-2-pyridin-3-ylpyrimidin-4-ylamine;

N-[6-(2-Furyl)-2-pyridin-3-ylpyrimidin-4-yl]propanamide;

N-[6-(3,5-Dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-4-ylpyrimidin-4-yl]propanamide;

6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-pyridin-4-ylpyrimidin-4-amine;

6-(2-Furyl)-2-pyridin-4-ylpyrimidin-4-ylamine;

N-[6-(2-Furyl)-2-pyridin-4-ylpyrimidin-4-yl]propanamide;

6-(2-Furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;

N-[6-(2-Furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]propanamide;

2-(4-Fluorophenyl)-N-[6-(2-furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]acetamide;

N-(Cyclopropylmethyl)-2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

(2*R*)-2-{{[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]amino} propan-1-ol};

3-{{[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]amino} propan-1-ol};

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]ethane-1,2-diamine;

2-(2-Furyl)-N-[2-(4-methoxyphenyl)ethyl]-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-amine;

N-[2-(3,4-Dimethoxyphenyl)ethyl]-2-(2-furyl)-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-

amine;

2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)-N-[2-(pyridin-2-yl)ethyl]pyrimidin-4-amine;

2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)-N-[2-(pyridin-3-yl)ethyl]pyrimidin-4-amine;

2-(2-Furyl)-N-(3-phenylpropyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-amine;

2-(2-Furyl)-N-[3-(1*H*-imidazol-1-yl)propyl]-6-(1*H*-pyrazol-1-yl)-pyrimidin-4-amine;

N-(Cyclopropylmethyl)-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;

(2*R*)-2-{{[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]amino}-propan-1-ol};

3-{{[6-(1*H*-Pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]amino} propan-1-ol};

N-(2-Aminoethyl)-*N*-[6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]amine;
N-[2-(4-Methoxyphenyl)ethyl]-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-4-
amine;
N-[2-(3,4-Dimethoxyphenyl)ethyl]-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-
4-amine;
6-(1*H*-Pyrazol-1-yl)-*N*-(2-pyridin-3-ylethyl)-2-(2-thienyl)pyrimidin-4-amine;
6-(1*H*-Pyrazol-1-yl)-*N*-(2-pyridin-2-ylethyl)-2-(2-thienyl)pyrimidin-4-amine;
N-(3-Phenylpropyl)-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-amine;
N-[3-(1*H*-imidazol-1-yl)propyl]-6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)-pyrimidin-4-
amine;
Ethyl 6-(1*H*-pyrazol-1-yl)-2-(2-thienyl)pyrimidin-4-yl]carbamate;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-(1*S*^{*},2*R*^{*})-2-
phenylcyclopropyl]urea (* relative trans configuration);
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-propylurea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-isopropylurea;
N-Cyclopentyl-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]urea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-(4-methoxy-phenyl)urea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-*N*-(2-phenylethyl)-urea;
N-Benzyl-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]urea;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3-methylbutanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3,3-dimethyl-butanamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]cyclopentane-carboxamide;
2-Chloro-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-phenyl-acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-phenylacetamide;
2-(4-Fluorophenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(3-methoxy-
phenyl)acetamide;
N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(2-methoxy-
phenyl)acetamide;

2-(3,4-Dichlorophenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-(1,3-Dibenzodioxol-5-yl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-(3,4-Dihydroxyphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-(2,5-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-(4-Chloro-3-methylphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-(3,5-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-[3-(Benzyl oxy)-4-methoxyphenyl]-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

2-[4-(Cyclobutyl oxy)-3-methoxyphenyl]-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]acetamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(4-difluoromethoxy-3-methoxyphenyl)acetamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-(3,4,5-trimethoxy-phenyl)acetamide;

2-(3,4-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]propanamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]benzamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-3,4-dimethoxy-benzamide;

2,6-Difluoro-*N*-[2-(2-furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-benzamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-2-furamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-thiophene-2-carboxamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]nicotinamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]isonicotinamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]-1-naphthamide;

N-[2-(2-Furyl)-6-(1*H*-pyrazol-1-yl)pyrimidin-4-yl]quinoline-2-carboxamide;
(2*E*)-3-(3,4-Dimethoxyphenyl)-*N*-[6-(3,5-dimethyl-1*H*-pyrazol-1-yl)-2-(2-furyl)pyrimidin-4-yl]acrylamide;

2-(2-Furyl)-6-(2*H*-1,2,3-triazol-2-yl)pyrimidin-4-amine;

2-(2-furyl)-6-(1*H*-1,2,3-triazol-1-yl)pyrimidin-4-amine;

N-[2-(2-Furyl)-6-(2*H*-1,2,3-triazol-2-yl)pyrimidin-4-yl]propanamide;

2-(3,4-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(2*H*-1,2,3-triazol-2-yl)-pyrimidin-4-yl]acetamide;

N-[2-(2-Furyl)-6-(1*H*-1,2,3-triazol-1-yl)pyrimidin-4-yl]propanamide;

2-(2-Furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;

N-[2-(2-Furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-yl]propanamide;

3-(3,4-Dimethoxyphenyl)-*N*-[2-(2-furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-yl]propanamide;

2,6-Di-2-furylpyrimidin-4-amine;

N-(2,6-Di-2-furylpyrimidin-4-yl)-2-(3,4-dimethoxyphenyl)acetamide;

6-(1,3-Benzothiazol-2-yl)-2-(2-furyl)pyrimidin-4-amine;

2-(5-Methyl-2-furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;

6-(1,3-Thiazol-2-yl)-2-(2-thienyl)pyrimidin-4-amine;

2-(3,4-Dimethoxyphenyl)-*N*-[6-(2-furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]acetamide;

6-(1*H*-Pyrazol-1-yl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;

2-(3,4-Dimethoxyphenyl)-*N*-[6-(1*H*-pyrazol-1-yl)-2-(1,3-thiazol-2-yl)pyrimidin-4-yl]acetamide;

2-(2-Furyl)-*N*-methyl-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;

N-(Cyclopropylmethyl)-2-(2-furyl)-6-(1,3-thiazol-2-yl)pyrimidin-4-amine;

N-[2-(3,4-Dimethoxyphenyl)ethyl]-2-(2-furyl)-6-(1,3-thiazol-2-yl)-pyrimidin-4-amine;

N-(Cyclopropylmethyl)-6-(2-furyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;

N-[2-(3,4-Dimethoxyphenyl)ethyl]-6-(2-furyl)-2-(1,3-thiazol-2-yl)-pyrimidin-4-amine;

6-(2-Furyl)-N-(2-pyridin-3-ylethyl)-2-(1,3-thiazol-2-yl)pyrimidin-4-amine;
6-(2-Furyl)-N-[(1S*,2R*)-2-phenylcyclopropyl]-2-(1,3-thiazol-2-yl)-pyrimidin-4-
amine (* relative trans configuration);

Ethyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]carbamate;

Cyclopentylmethyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]-carbamate;

Benzyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]carbamate;

3,4-Dimethoxybenzyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]carbamate;

Pyridin-3-ylmethyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]-carbamate;

4-Methoxyphenyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]-carbamate;

| and/or

3,4-Dimethoxyphenyl [2-(2-furyl)-6-(1H-pyrazol-1-yl)pyrimidin-4-yl]carbamate.

15. (Canceled)

16. (Currently Amended) A compound according to claim 15 for use in the treatment of a pathological condition or disease wherein the pathological condition or disease is method for treating ischemia, supraventricular arrhythmias, acute renal failure, myocardial reperfusion injury, allergic reactions including but not limited to rhinitis, urticaria, scleroderma arthritis, other autoimmune diseases, inflammatory bowel diseases, asthma, diabetes mellitus, obesity, Parkinson disease, Huntington's disease, dystonias, such as restless leg syndrome, or dyskinesias such as those caused by prolonged use of neuroleptic and dopaminergic drugs or sleep disorders, comprising administering to a subject in need thereof a pharmaceutically effective amount of a compound according to claim 1.

17. (Canceled)

18. (Currently Amended) A compound-method according to claim 47 16 for use in the treatment of a pathological condition or disease wherein the pathological condition or disease is ischemia, supraventricular arrhythmias, Parkinson disease, Huntington's disease,

dystonias, such as restless leg syndrome, or dyskinesias, such as those caused by prolonged use of neuroleptic and dopaminergic drugs or sleep disorders.

19. (Currently Amended) A pharmaceutical composition comprising a compound as defined in any one of claims according to claim 1 to 14 mixed with and a pharmaceutically acceptable diluent or carrier.

20-27. (Canceled)

28. (Currently Amended) A combination product pharmaceutical composition comprising a compound according to any one of claims claim 1 to 14; and another compound selected from (a) L-DOPA, (b) a dopamine antagonists antagonist, (c) an inhibitor inhibitors of dopamine decarboxylase (d) a catechol-O-methyltransferase inhibitor inhibitor and (e) an inhibitor inhibitors of monoamine oxidase for simultaneous, separate or sequential use.

29-34. (Canceled)